

# **An Overview of Speed Related Crashes**

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*North Carolina Executive Committee  
for Highway Safety*

**Speed Working Group  
Initial Meeting**

April 13, 2004

# Definition

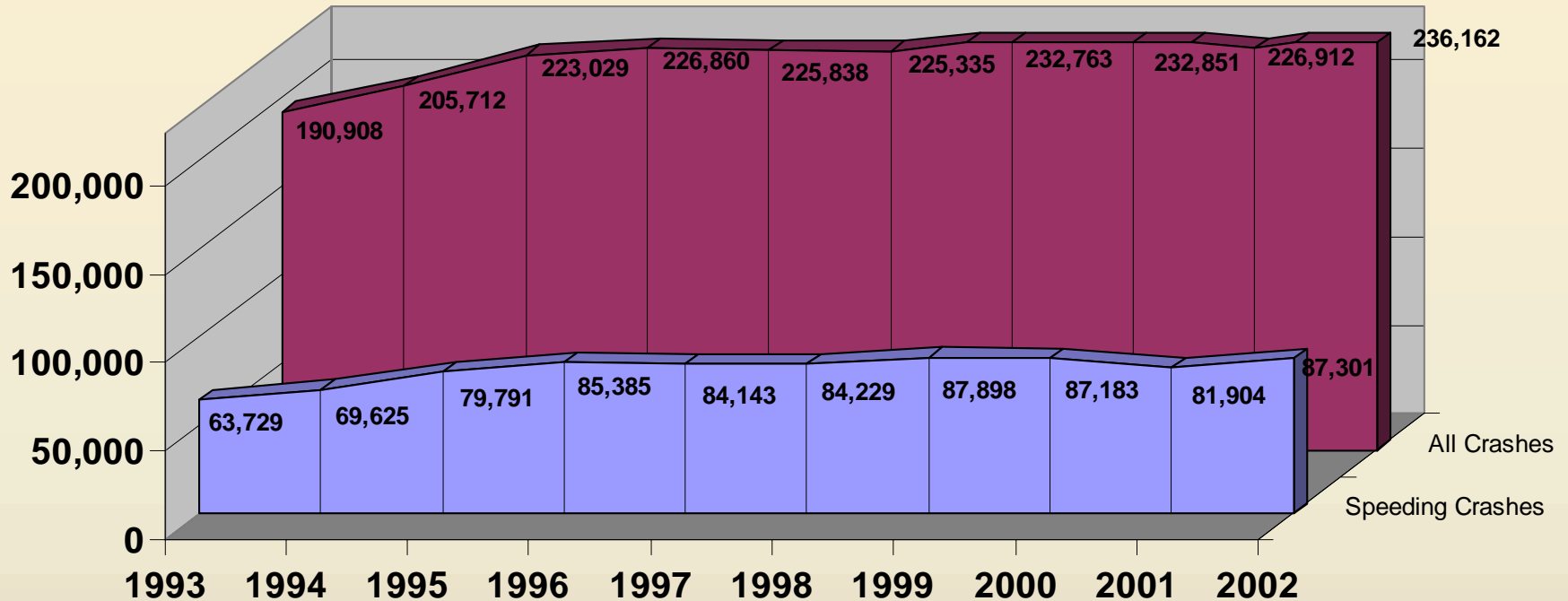
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## **Speed Related Crashes include:**

- Exceeded Authorized Speed Limit
- Exceeded Safe Speed for Conditions
- Failure to Reduce Speed

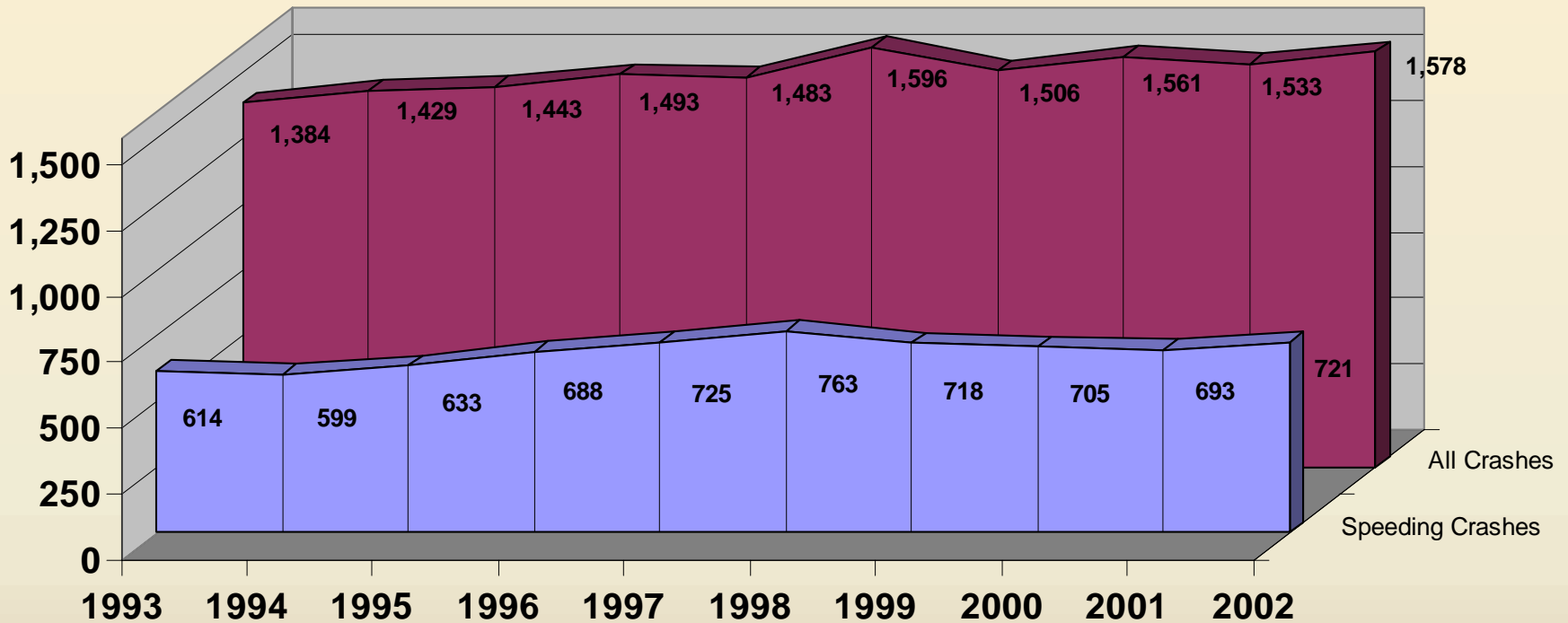
*As noted on the DMV-349 N.C. Collision Report Form under  
“Contributing Circumstances”*

# Total Crashes by Category



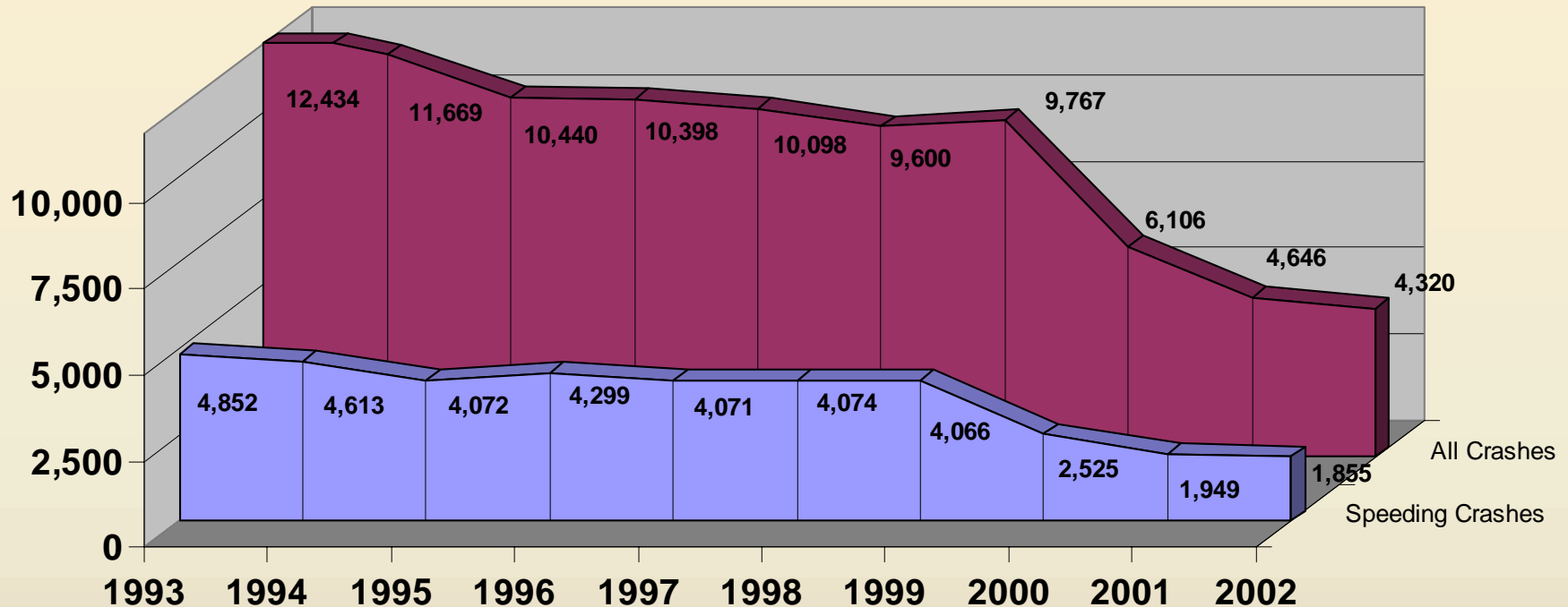
**On Average, Speed Related Crashes account for 36% of All Crashes**

# Fatalities by Category



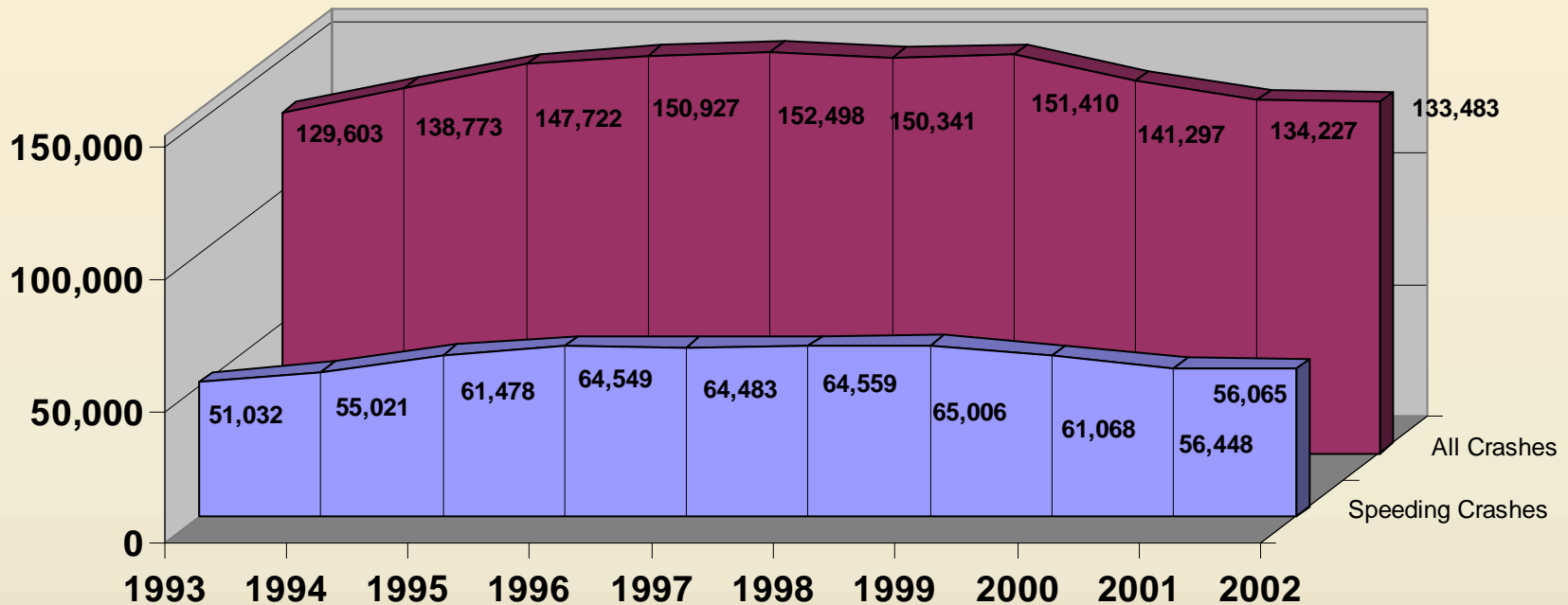
**On Average, Speed Related Fatalities Account for 46% of All Fatalities**

# Class A Injuries by Category



**On Average, Speed Related A Injuries Account for 41% of All A Injuries**

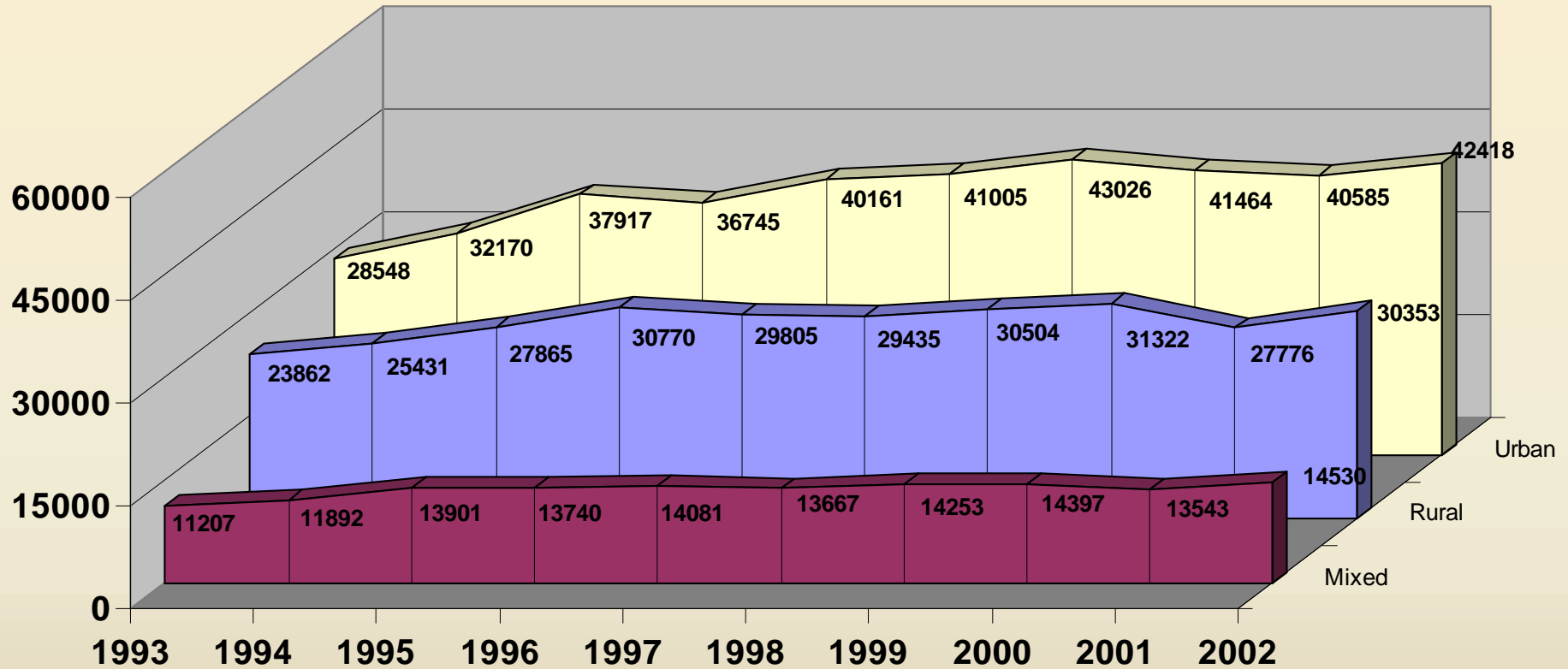
# All Injuries by Category



**On Average, Speed Related Injuries Account for 42% of All Injuries**

# Speed Related Crashes by Locality

## (All Crashes)



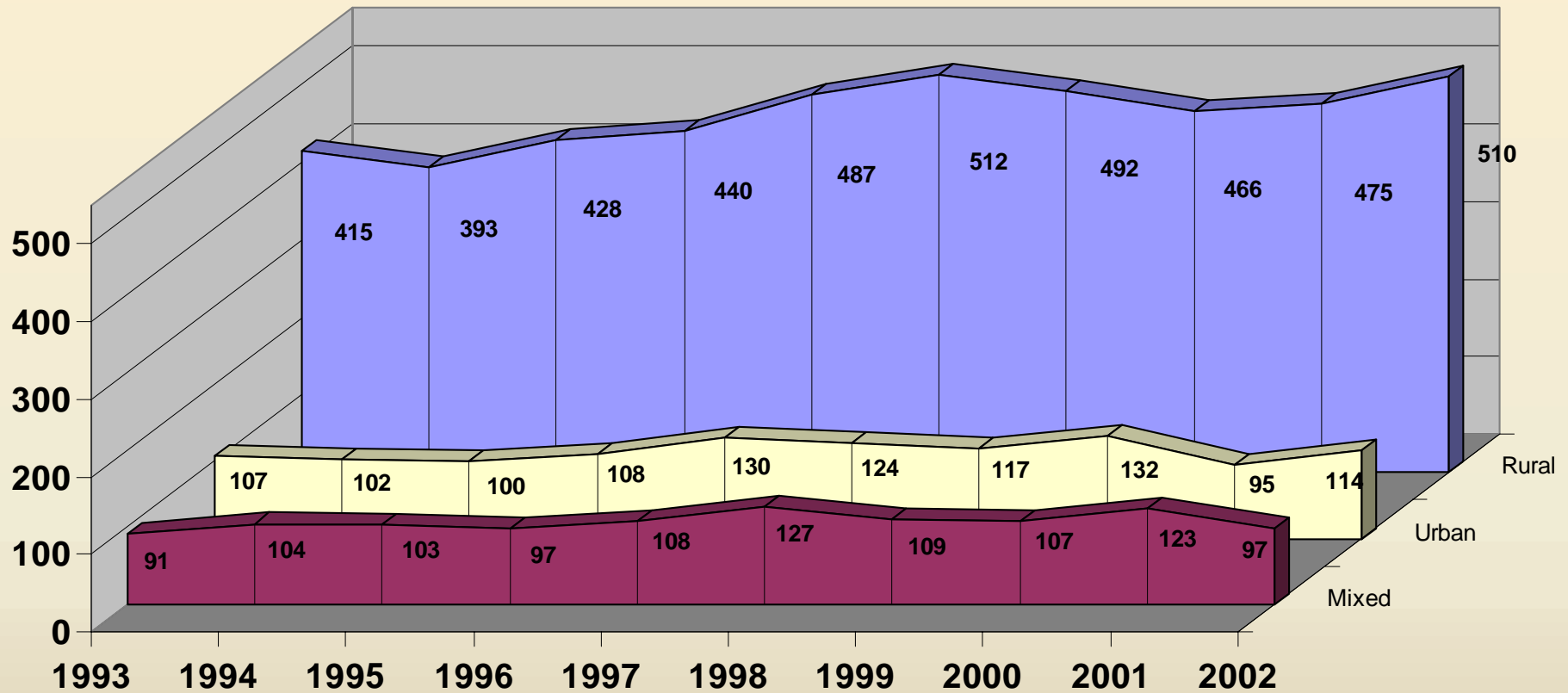
**Urban 48%**

**Rural 36%**

**Mixed 16%**

# Speed Related Crashes by Locality

## (Fatal Crashes)



**Urban 17%**

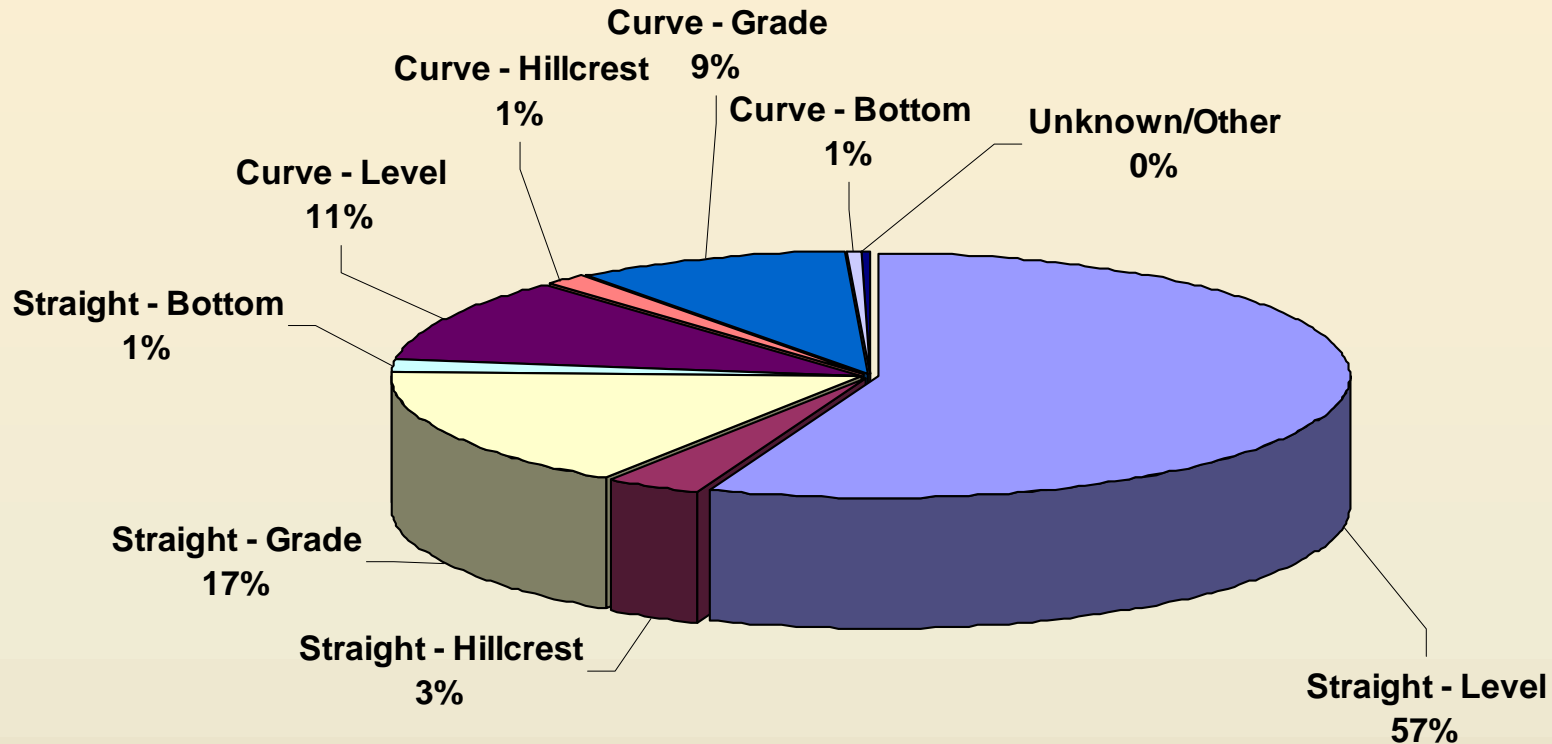
**Rural 68%**

**Mixed 15%**



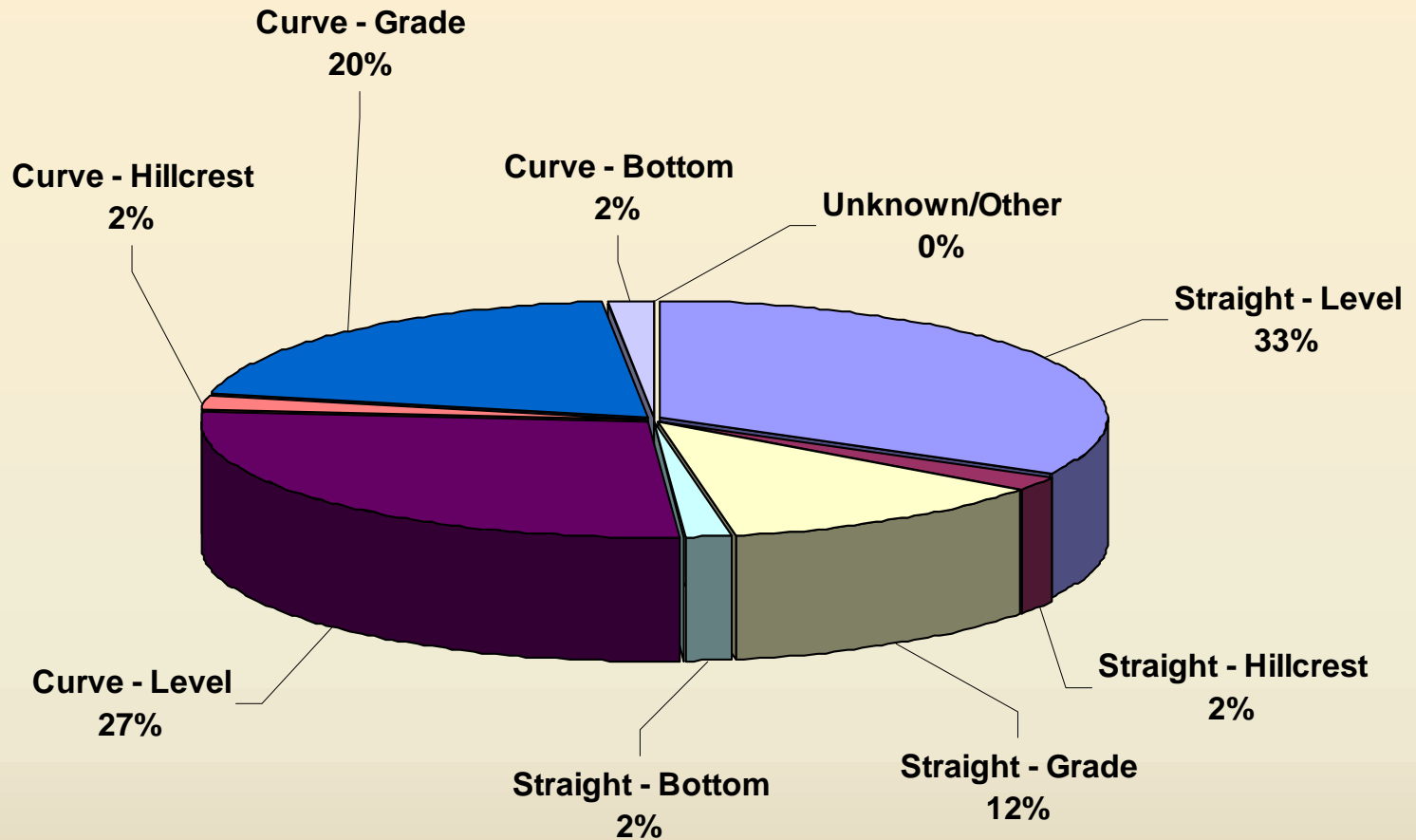
# Speed Related Crashes

## (All Crashes)



**Road Characteristics**  
(10 Year Average; 1993-2002)

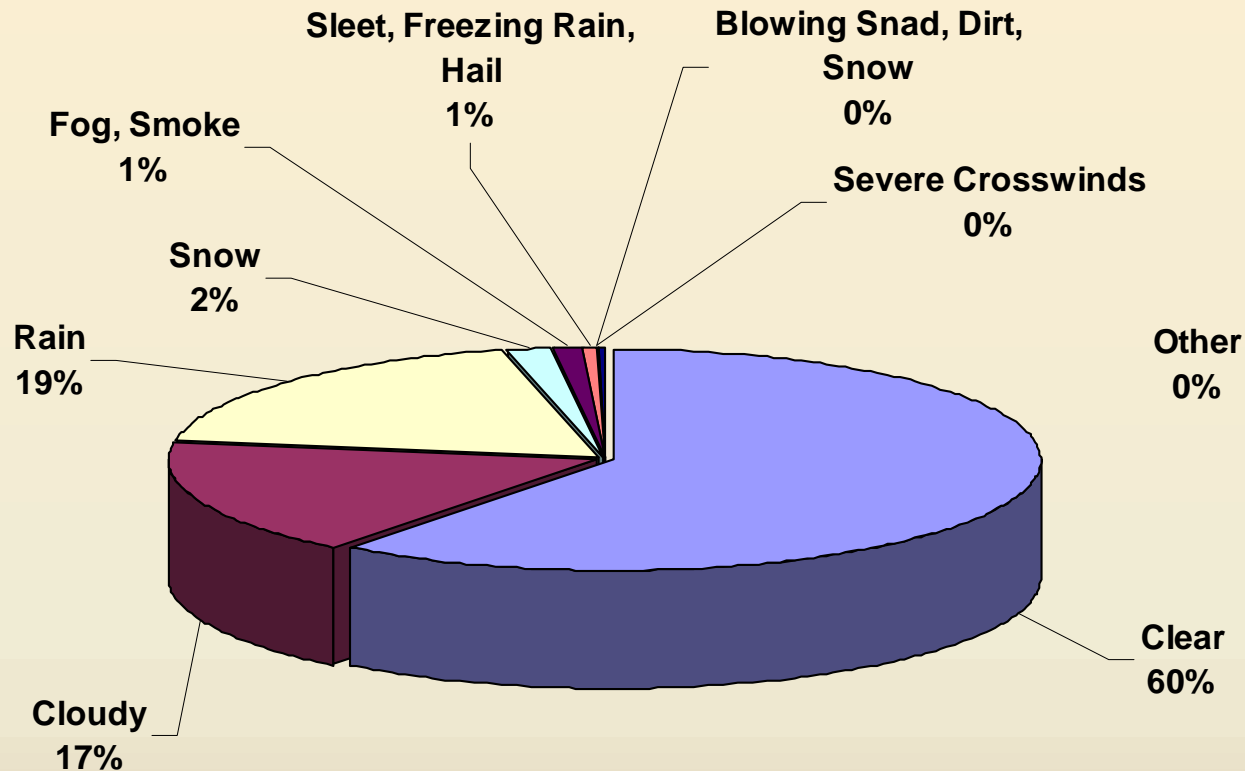
# Speed Related Crashes (Fatal Crashes)



**Road Characteristics**  
(10 Year Average; 1993-2002)

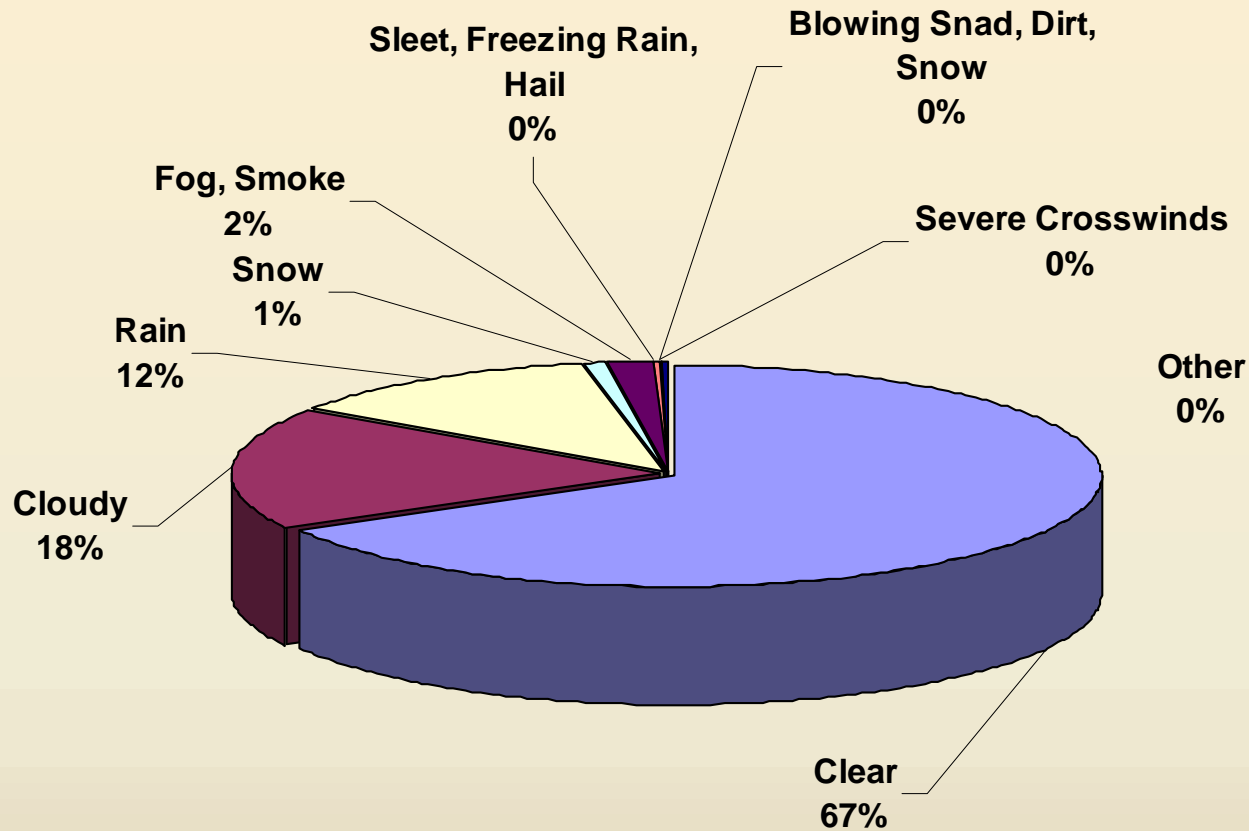
# Speed Related Crashes

## (All Crashes)



**Weather Conditions**  
(10 Year Average; 1993-2002)

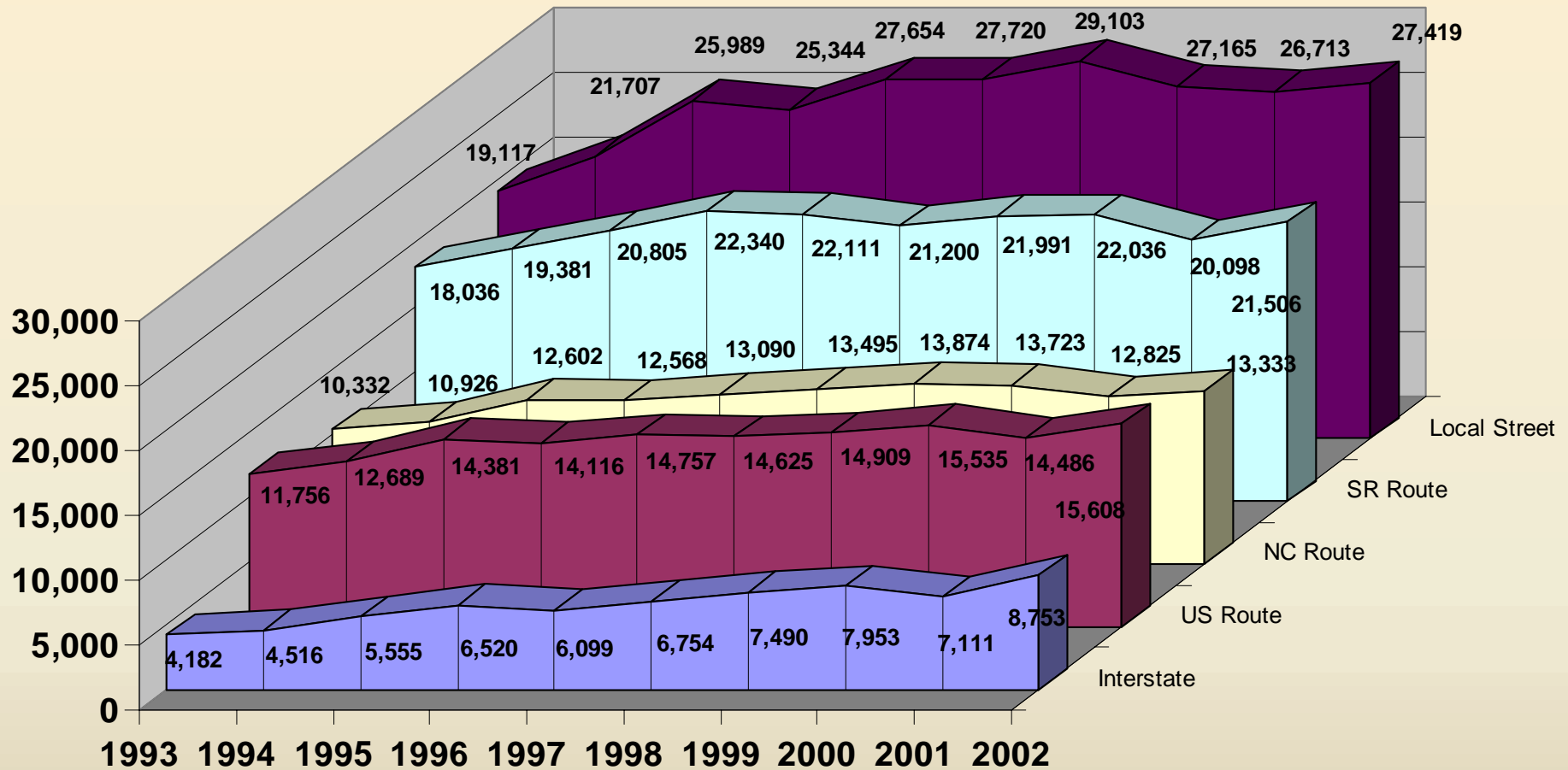
# Speed Related Crashes (Fatal Crashes)



**Weather Conditions**  
(10 Year Average; 1993-2002)

# Speed Related Crashes by Facility

## (All Crashes)



**Interstate = 8%**

**US = 18%**

**NC = 16%**

**SR = 26%**

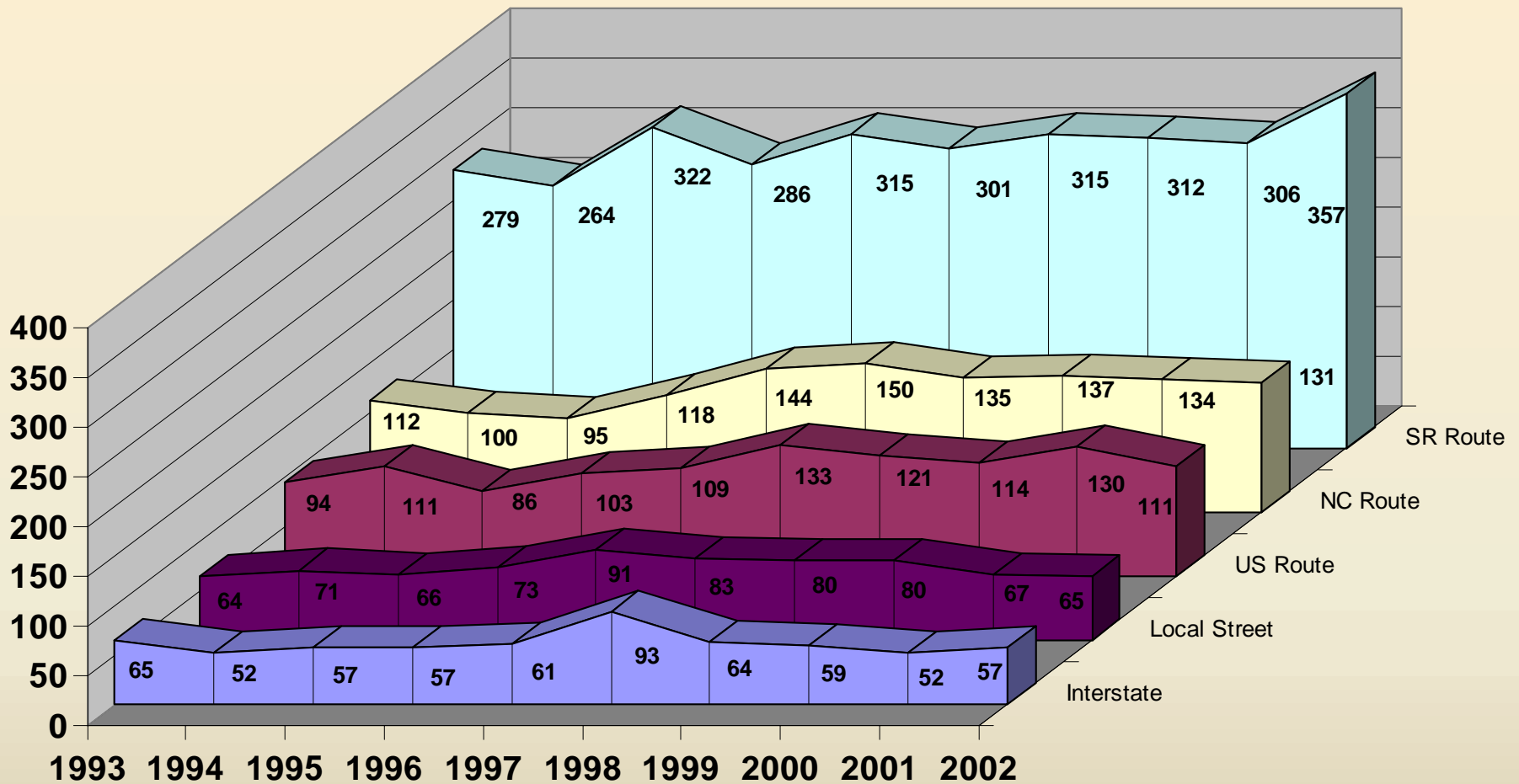
**Local = 32%**

**Other = 23%**

**\*Note: Crashes listed as occurring on “Other”, “Private” or “PVA” roads are not shown**

# Speed Related Crashes by Facility

## (Fatal Crashes)



**Interstate = 9%**

**US = 16%**

**NC = 18%**

**SR = 45%**

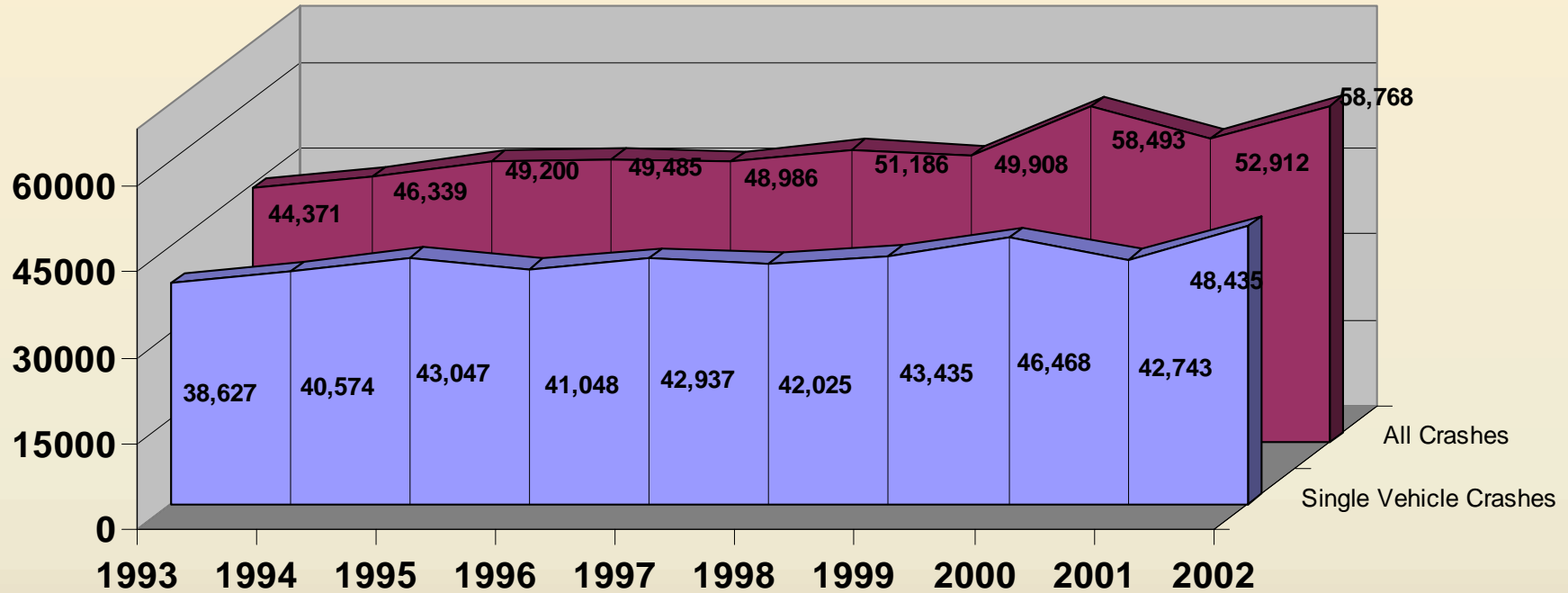
**Local = 11%**

**Other = 1%**

**\*Note: Crashes listed as occurring on “Other”, “Private” or “PVA” roads are not shown**

# Single Vehicle Speed Related Crashes

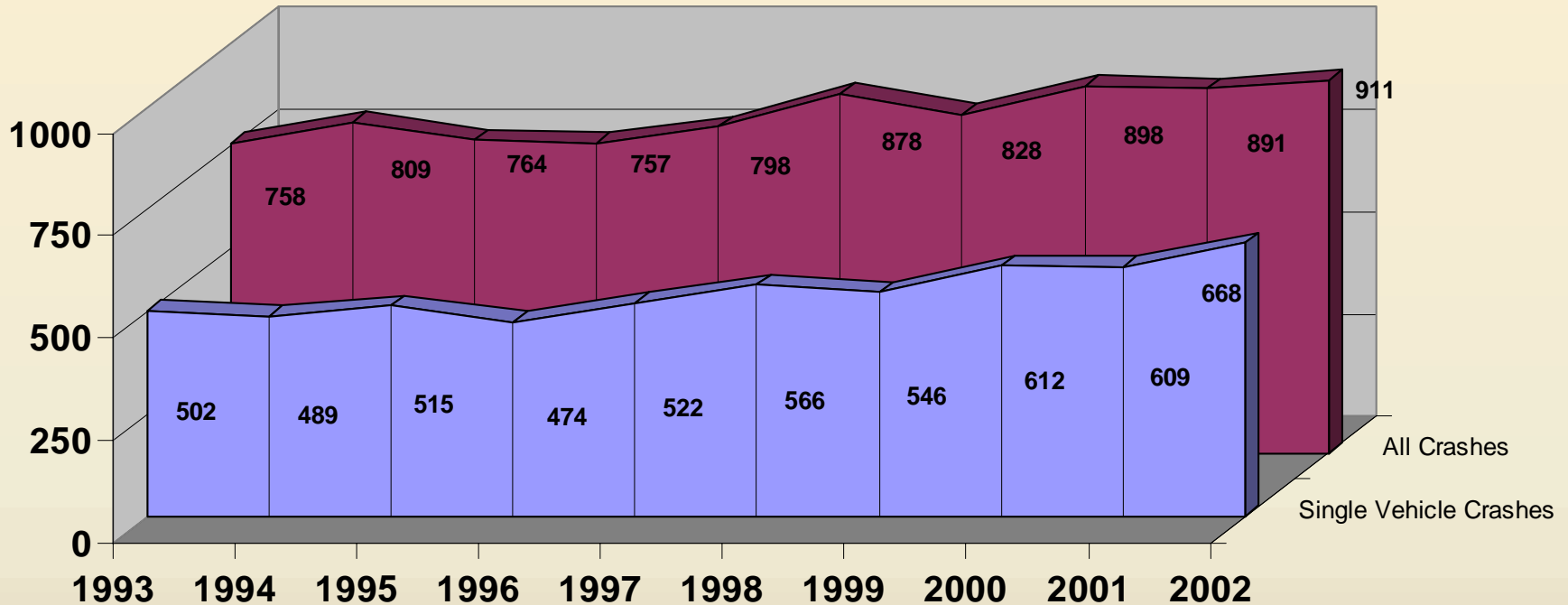
## (All Crashes)



**On Average, Single Vehicle, Speed Related Crashes Account for 85% of All Speed Related Crashes**

# Single Vehicle Speed Related Crashes

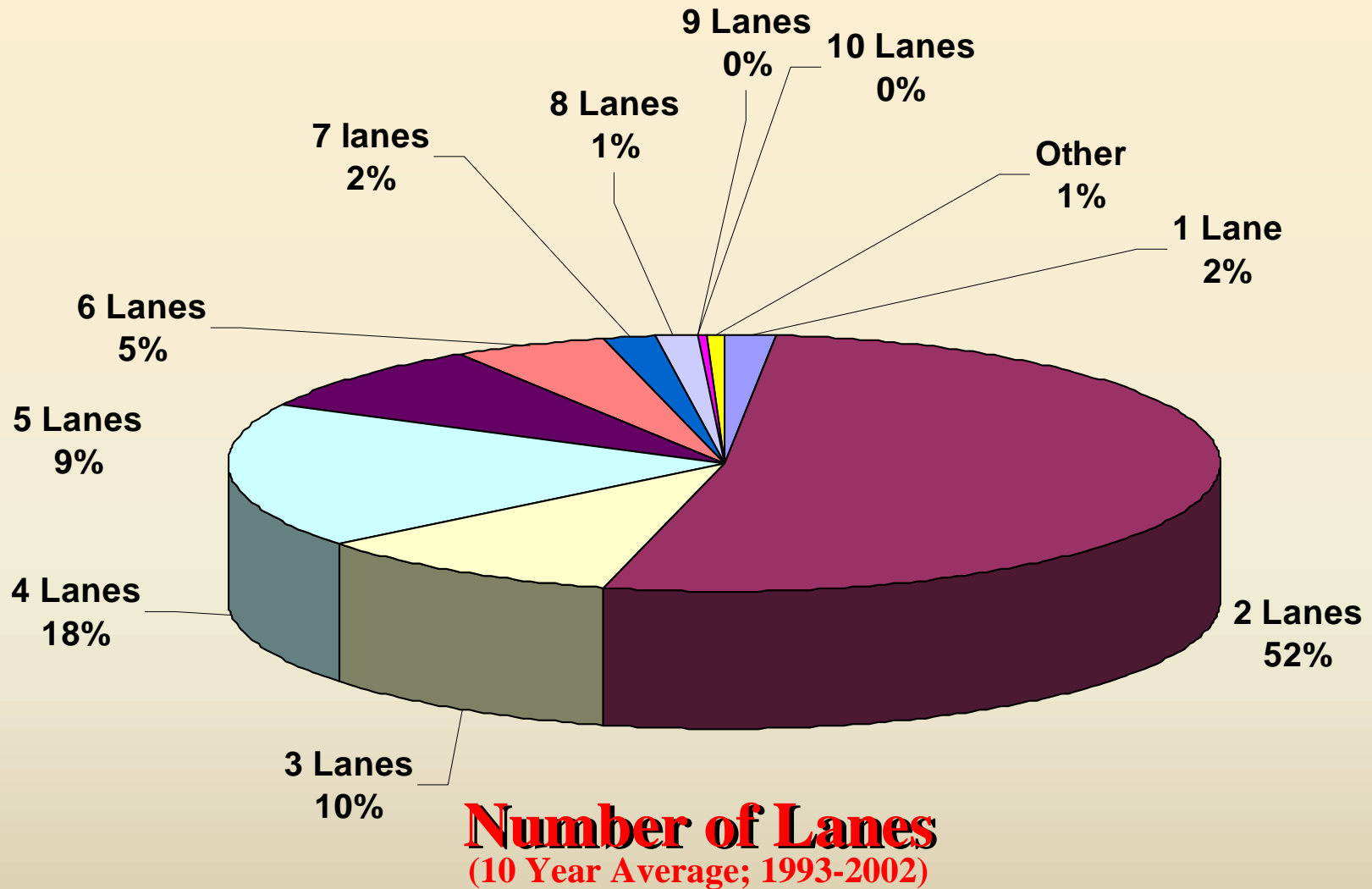
## (Fatal Crashes)



**On Average, Single Vehicle Speed Related Fatalities Account for 66% of All Speed Related Fatalities**

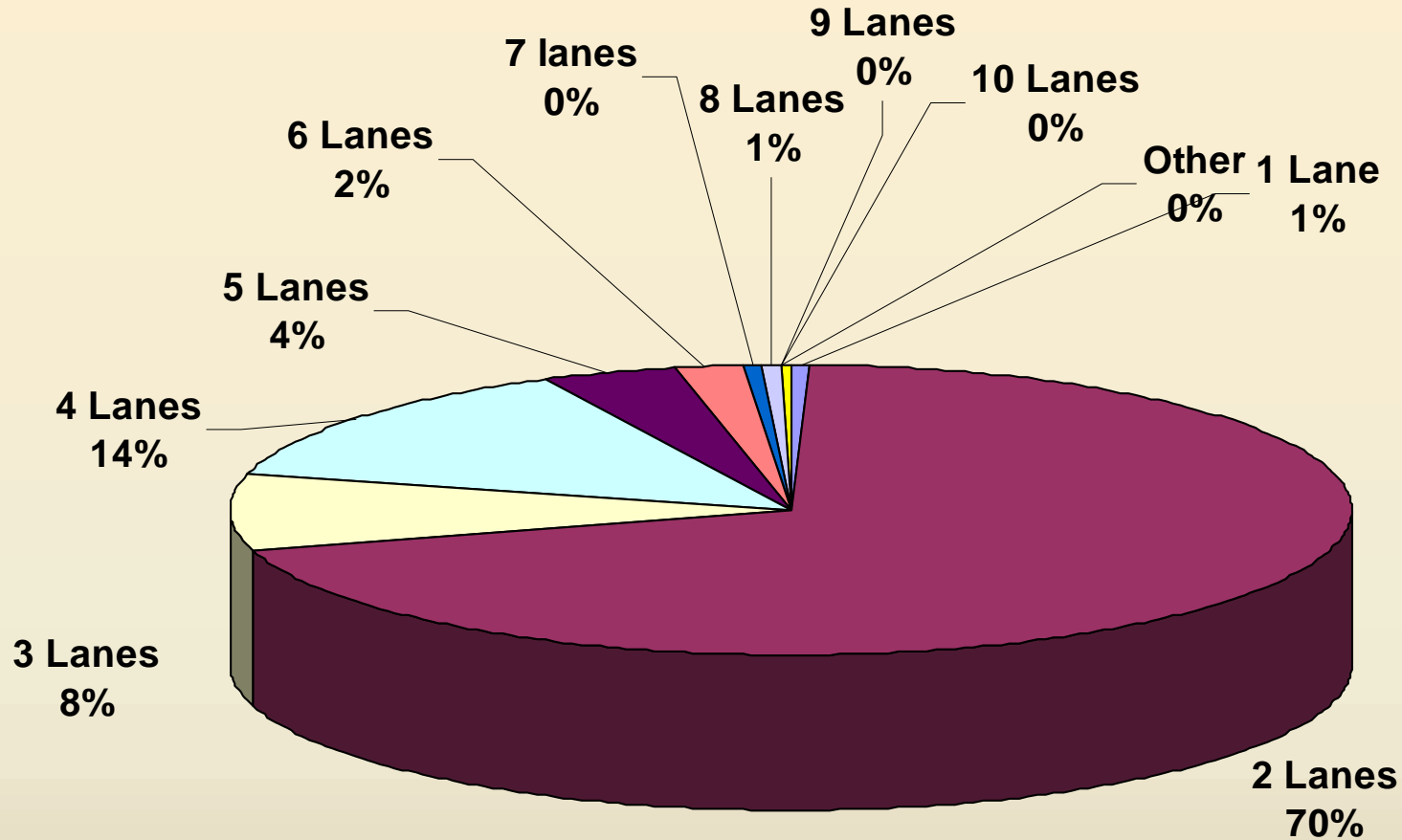


# Speed Related Crashes (All Crashes)



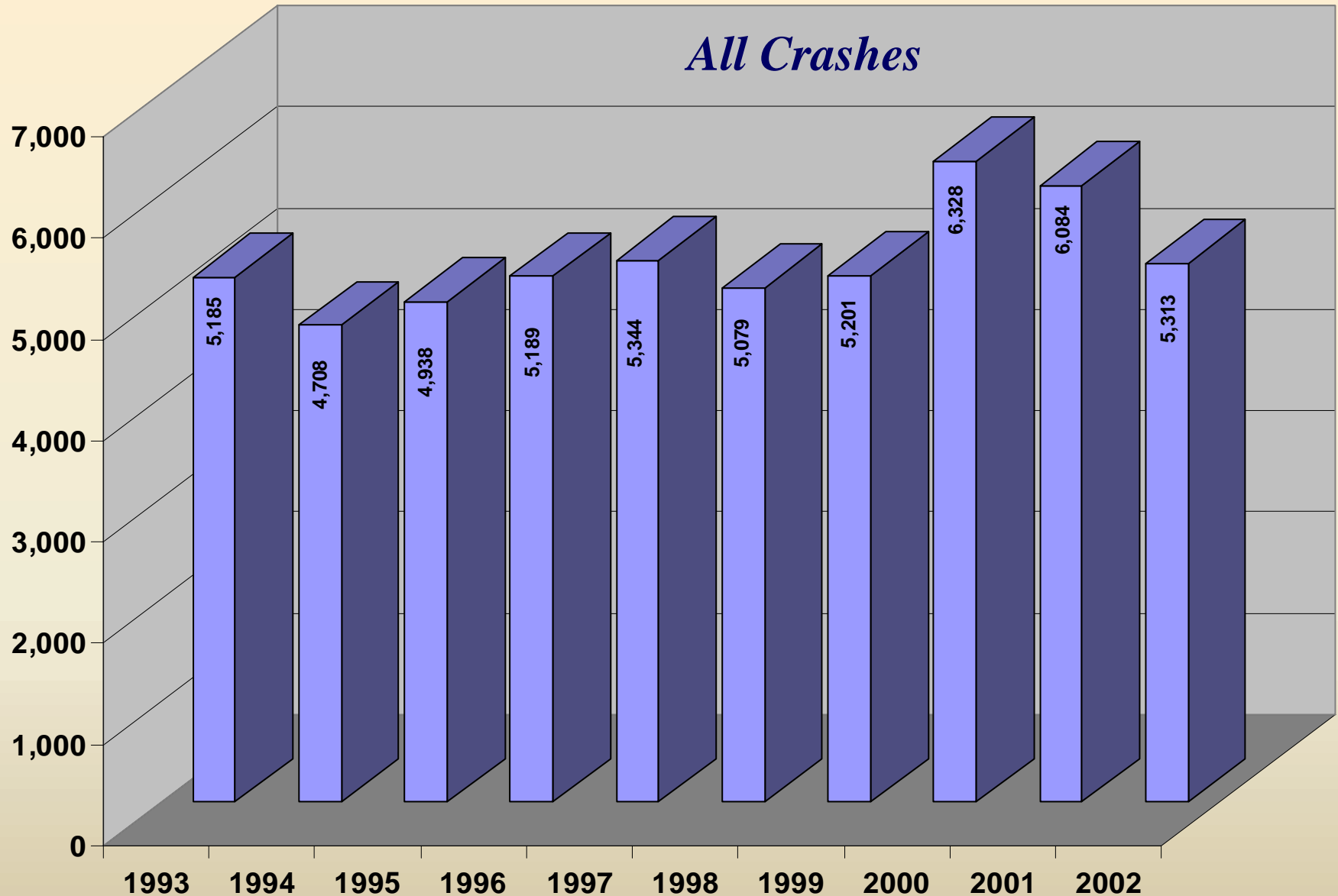
# Speed Related Crashes

## (Fatal Crashes)



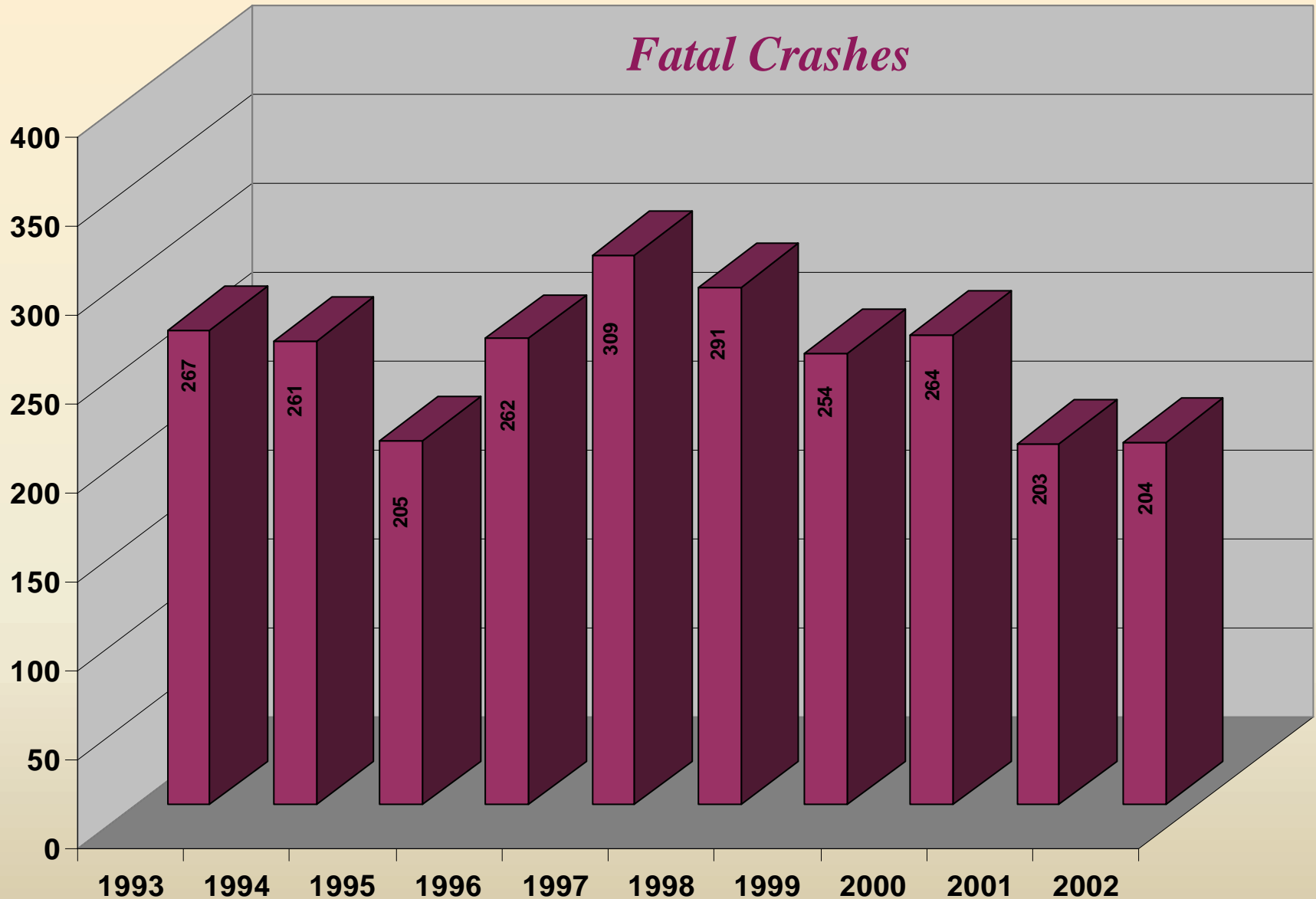
**Number of Lanes**  
(10 Year Average; 1993-2002)

# Speed Related Crashes by Alcohol Use



**7% of All Crashes are Speed Related & Involve Alcohol**

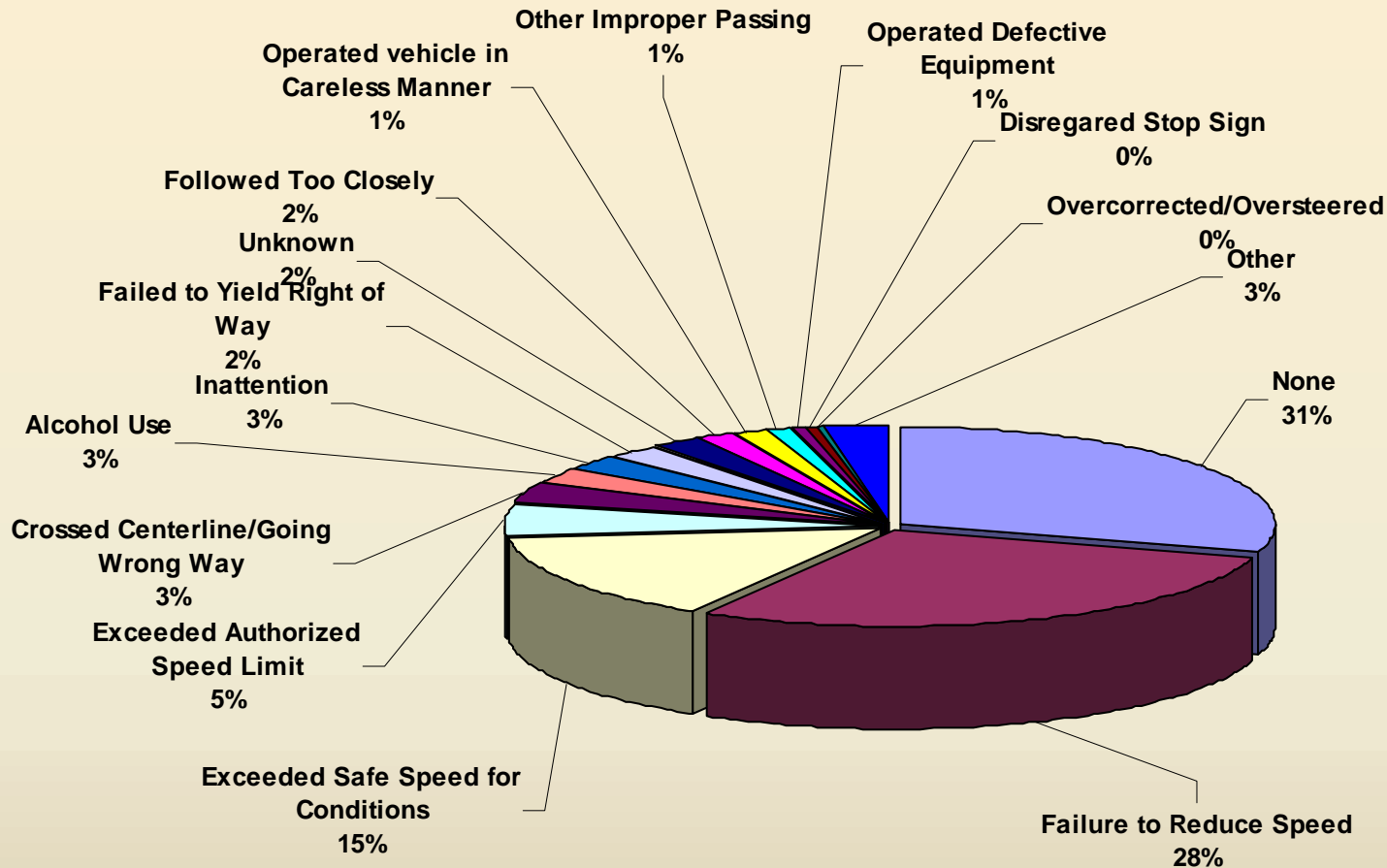
# Speed Related Crashes by Alcohol Use



**37% of All Fataals are Speed Related & Involve Alcohol**

# Speed Related Crashes

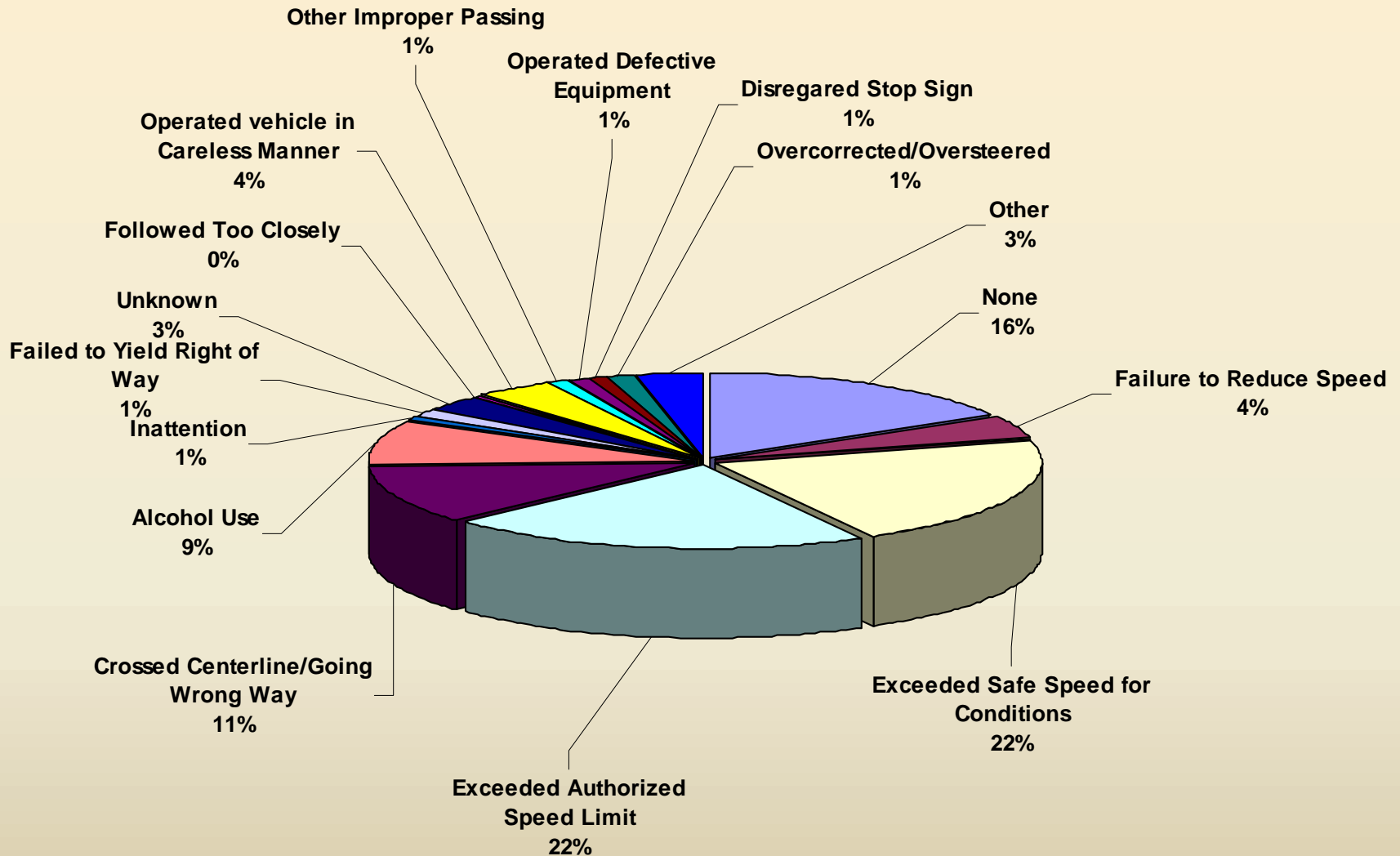
## (All Crashes)



**Contributing Circumstances**  
(10 Year Average; 1993-2002)

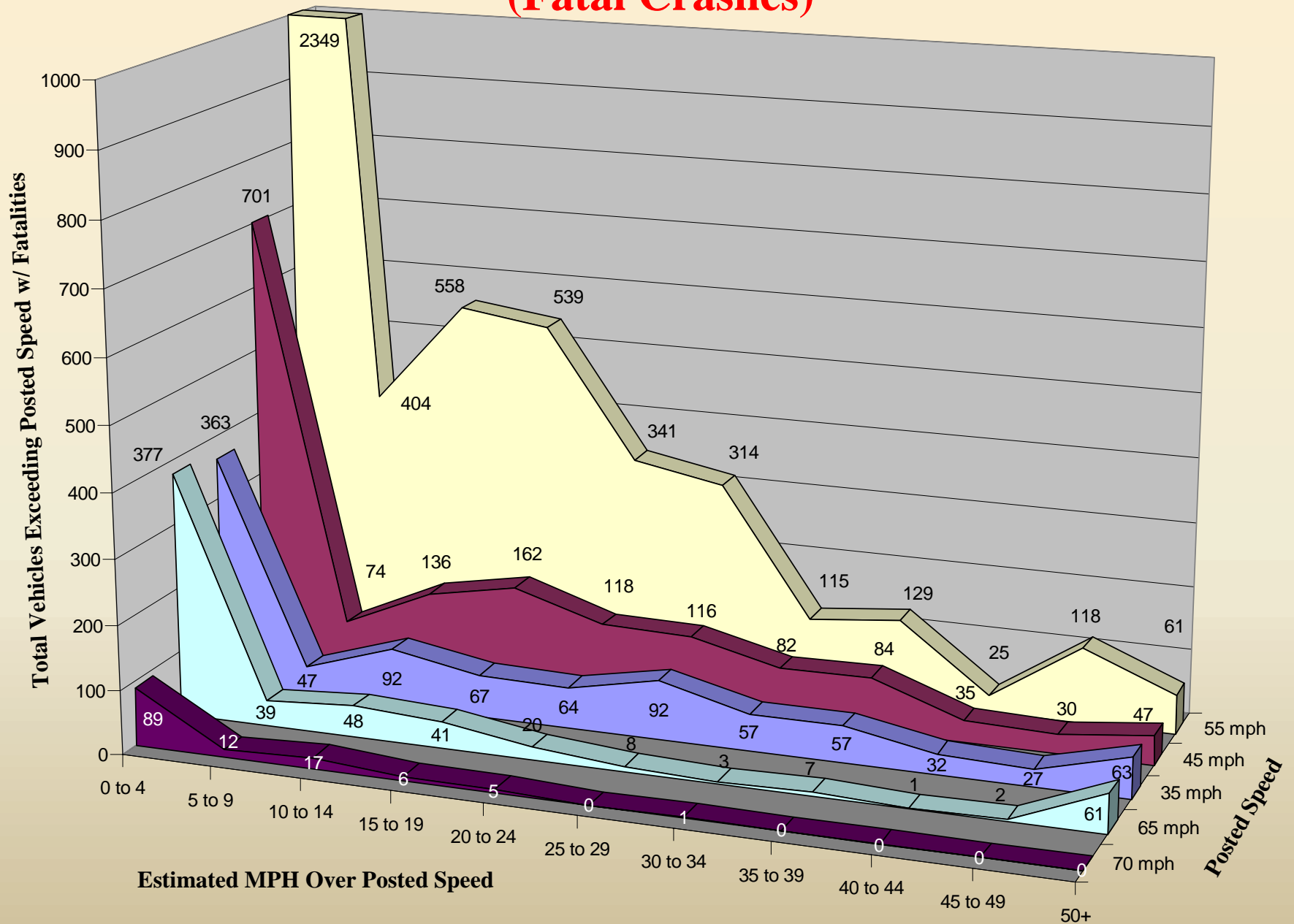
# Speed Related Crashes

## (Fatal Crashes)



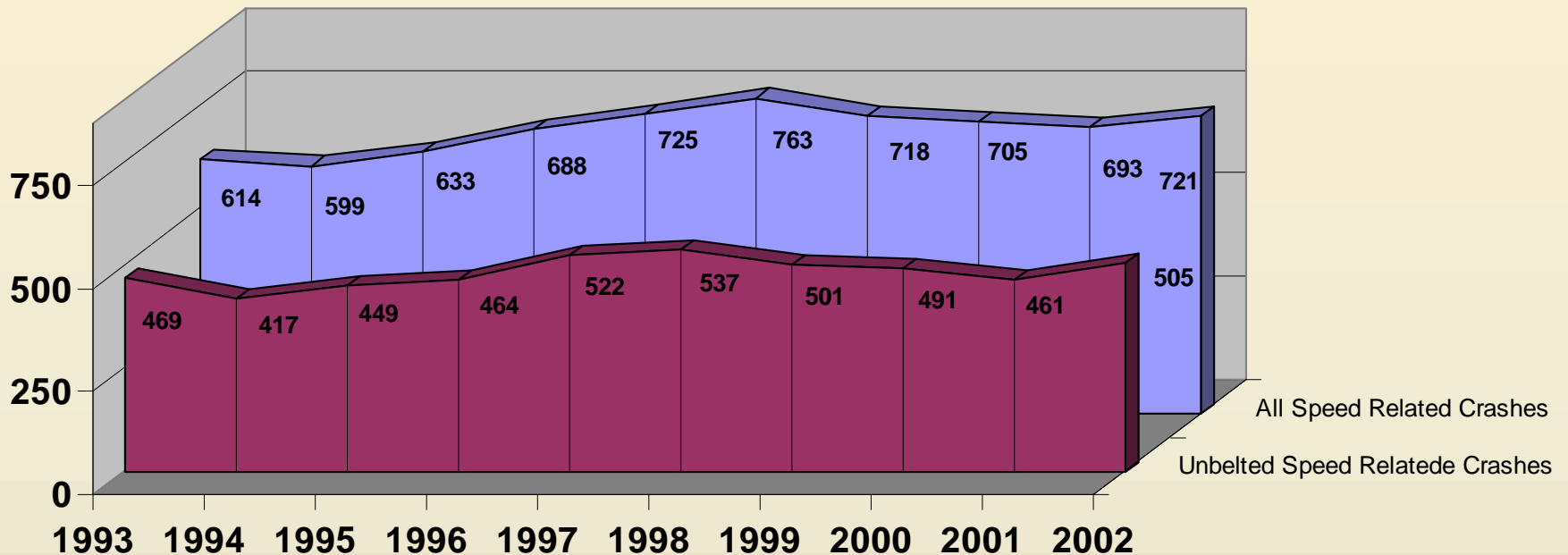
**Contributing Circumstances**  
(10 Year Average; 1993-2002)

## (Fatal Crashes)



# Speed Related Crashes

## (Fatal Crashes)



**On Average, Unbelted Occupants Account for  
70% of All Speed Related Fatalities**